Approved for use through 7/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

		ENT APP	LICATIO	N FE		RMII	NATIO				nation unles		lays a valid OMB cation or Docket N 3678 58]
	£	APPLICATIO	N AS FIL Column 1)	ED -		olumn 2)		SMAI	L EN	ΙΤΙΤΥ	OR		R THAN ENTITY	
	FOR	NL	MBER FILED	,	NUMB	ER EXT	'RA]	RATE (\$		FEE (\$)]	RATE (\$)	FEE (\$)	1
	SIC FEE CFR 1.16(a), (b), or	(c))						1	· ·			1	15112(0)		1
	ARCH FEE CFR 1.16(k), (i), or (i	m))													1
	MINATION FEE CFR 1.16(0), (p), or	(q))		- 1											1
(37	TAL CLAIMS CFR 1.16(i))	/	Minus 2	20 =	: (Q			x	=		OR	х =		1
	EPENDENT CLA CFR 1.16(h))	IMS	2 minus	3 =					х	<u>.</u>			x =		1
APF FEE	PLICATION SIZE	sheets is \$25 addition	pecification of paper, (0 (\$125 for anal 50 she i.C. 41(a)(1	the app small ets or t	plication s entity) for fraction th	ize fee each ereof.	due See								
MUI	TIPLE DEPEND	ENT CLAIM PF	ESENT (37	CFR 1.1	16(j))										
·Ift	he difference in c	olumn 1 is less	than zero, e	nter "0"	in column	2.		'	TOTAL				TOTAL]
l	7/20/000	ICATION A	S AMENC		PART II		ımn 3)		SMAL	L FN	TITY	OR	OTHER SMALL		
ΤA		CLAIMS REMAINING AFTER AMENDMEN	1	PRE	GHEST JMBER VIOUSLY ID FOR		SENT TRA		RATE (\$)	T	ADDI- TIONAL TEE (\$)		RATE (\$)	ADDI- TIONAL FEE (\$)	
MEN	Total (37 CFR 1.16(i))	. 69	Minus	**	26	=4	13		/x	= /	ACE (9)	OR	× 18.40=	27400	1
AMENDMENT	Independent (37 CFR 1.16(h))	6	Minus	***	2	=	3		×	1		OR	x 78. =	234.00	1
ΔM	Application Size	Fee (37 CFR	1.16(s))					\]
	FIRST PRESENT.	ATION OF MULT	PLE DEPEND	ENT CL	AIM (37 CF	R 1.16(j)))					OR			}
	5-4-	01							TOTAL ADD'L FEE		,	OR	TOTAL ADD'L FEE	1008.00	
		(Column 1)			olumn 2)	(Colu	ımn 3)					•			
IT B		CLAIMS REMAINING AFTER AMENDMEN		NL PRE	GHEST JMBER VIOUSLY ID FOR		SENT TRA		RATE (\$)		ADDI- TIONAL		RATE (\$	ADDI- TIONAL	
MENT	Total (37 CFR 1.16())	69	Minus	**	69	= /			х :	_	FEE (\$)	OR	x =	FEE (\$)	
MEND	Independent (37 CFR 1.16(h))		Minus	***	le	=		ı		_		OR	x =		
M	Application Size	Fee (37 CFR	1.16(s))	<u> </u>		+	-	ľ				OK			l
٩	FIRST PRESENT	ATION OF MULTI	PLE DEPEND	ENT CLA	NM (37 CF	R 1.16(j))					OR)	
									TOTAL ADD'L FEE	T		OR	TOTAL ADD'L FEE		
•	If the entry in co If the "Highest N If the "Highest Nu The "Highest Nu	lumber Previou lumber Previou	sly Paid For sly Paid For	IN THI	IS SPACE S SPACE I	is less t is less tl	han 20, han 3, er	ente nter	"3" .	in the	annoniste	boy in a	volume 1		

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 7/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. PATENT APPLICATION FEE DETERMINATION RECORD Application or Docket Number Substitute for Form PTO-875 APPLICATION AS FILED - PART I OTHER THAN OR SMALL ENTITY SMALL ENTITY (Column 1) (Column 2) FOR NUMBER FILED NUMBER EXTRA RATE (\$) FEE (\$) RATE (\$) FEE (\$) BASIC FEE (37 CFR 1.16(a), (b), or (c)) SEARCH FEE (37 CFR 1.16(k), (i), or (m)) **EXAMINATION FEE** (37 CFR 1.16(o), (p), or (q)) **TOTAL CLAIMS** (37 CFR 1.16(i)) minus 20 = OR INDEPENDENT CLAIMS (37 CFR 1.16(h)) minus 3 = x Ė х = If the specification and drawings exceed 100 sheets of paper, the application size fee due APPLICATION SIZE is \$250 (\$125 for small entity) for each FEE (37 CFR 1.16(s)) additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j)) * If the difference in column 1 is less than zero, enter "0" in column 2. TOTAL TOTAL APPLICATION AS AMENDED - PART II OTHER THAN OR (Column 1) (Column 2) (Column 3) SMALL ENTITY SMALL ENTITY CLAIMS HIGHEST REMAINING PRESENT RATE (\$) NUMBER ADDI-TIONAL RATE (\$) ADDI-**AFTER EXTRA PREVIOUSLY** TIONAL ENDMENT AMENDMENT PAID FOR FEE/(\$) FEE (\$) Total (37 CFR 1.16(i)) Minus 0 OR Independent (37 CFR 1.16(h)) Minus 2 OR Application Size Fee (37 CFR 1.16(s)) FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) OR TOTAL TOTAL ADD'L FEE OR ADD'L FEE (Column 1) (Column 2) (Column 3) CLAIMS HIGHEST REMAINING PRESENT NUMBER RATE (\$) RATE (\$) α ADDI-ADDI-AFTER PREVIOUSLY **EXTRA TIONAL** TIONAL EN AMENDMENT PAID FOR **REE (\$)** FE闰 (\$) Total (37 CFR 1.16(i)) Minus W9 ENDM OR Independent (37 CFR 1.16(h)) Minus W OR Application Size Fee (37 CFR 1.16(s)) FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1,16(i)) OR TOTAL TOTAL (OR

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1 This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS

ADD'L FEE

ADD'L FEE

ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

 If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the 'Highest Number Previously Paid For' IN THIS SPACE is less than 20, enter '20'.
*** If the 'Highest Number Previously Paid For' IN THIS SPACE is less than 3, enter '3'.

Approved for use through 7/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U	nder the Paperwo	rk Reduction A	t of 1995, n	o persons are rec	quired to respon	d to	a collection of in	formation unte		lays a valid OMB		
	PAT	ENT APPI		N FEE DET tute for Form F		ON	RECORD		Applic	cation or Docket N	lumber	
APPLICATION AS FILED - PART I (Column 1) (Column 2)							SMALL	ENTITY	OR	OTHER THAN SMALL ENTITY		
	FOR	NU	MBER FILED	NUM	BER EXTRA		RATE (\$)	FEE (\$)	1	RATE (\$)	FEE (\$)	
	BASIC FEE (37 CFR 1.16(a), (b), or (c))					1			1			
(37	ARCH FEE CFR 1.16(k), (i), or (m))									*	
	MINATION FEE CFR 1.16(0), (p), or	(p))							l			
(37	TAL CLAIMS CFR 1.16(i))		minus 2	20 = •			x =		OR	x =		
	EPENDENT CLA CFR 1.16(h))	IMS	minus	3 = .			x =			x =		
APPLICATION SIZE FEE is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								·				
MUI	TIPLE DEPEND	ENT CLAIM PR	ESENT (37	CFR 1.16(j))								
• If t	* If the difference in column 1 is less than zero, enter "0" in column 2.									TOTAL		
	APPL	ICATION AS	AMEND	ED - PART	i .							
1-24-83 (Column 1) (Column 2) (Column 3)							SMALL	ENTITY	OR	OTHER THAN SMALL ENTITY		
NT A		CLAIMS REMAINING AFTER AMENDMEN	j	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)	ADDI- TIONAL FEE (\$)		RATE (\$)	ADDI- TIONAL FEE (\$)	
ME	Total (37 CFR 1.16(i))	· 42	Minus	69	=.	Γ	×		OR	x =	.,	
AMENDMENT	Independent (37 CFR 1.16(h))	. 5	Minus	" (e	=	1	х =		OR-	х =		
٩M	Application Size	Fee (37 CFR										
	FIRST PRESENT	ATION OF MULTI	ENT CLAIM (37 C	FR 1.16(j))				OR				
5/11/23							TOTAL ADD'L FEE	,	OR	TOTAL ADD'L FEE		
	7 1131	(Column 1)		(Column 2)	(Column 3)							
ENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FØR	PRESENT EXTRA		RATE (\$)	ADDI- TIONAL FEE (\$)		RATE (\$)	ADDI- TIONAL FEE (\$)	
Σ	Total (37 CFR 1.16())	40	Minus	" 6 9	=	П	×		OR	x =		
AMEND	Independent (37 CFR 1.16(h))	• 5	Minus	6	=	1	x =		OR	x =		
Σ	Application Size	Fee (37 CFR 1			1							
	FIRST PRESENTA	ATION OF MULTIP	ENT CLAIM (37 C	FR 1.16(j))			. 7.	OR				
							TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE		
•	If the entry in column 1 is less than the entry in column 2, write "0" in column 3. If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".											

*** If the "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents; P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

		NT APPLIC		FEE DETE		N.	RECORD		Applic 8	ation or Docket Nu 87858	mber
	AF	PLICATION (Colu	AS FILE	D – PART I (Col		SMALL E	ENTITY	OR	OTHER THAN SMALL ENTITY		
	FOR	NUMBE	R EXTRA		RATE (\$)	FEE (\$)		RATE (\$)	FEE (\$)		
	IC FEE FR 1.16(a), (b), or (c))]		
SEA	RCH FEE FR 1.16(k), (i), or (m)					/					
	MINATION FEE FR 1.16(0), (p), or (q	»									
	AL CLAIMS CFR 1.16(i))		minus 20) = •			x =		QR	х =	
ND	PENDENT CLAIR OFR 1.16(h))	MS	minus 3	= •			x =		1	x =	
APF	LICATION SIZE	sheets of is \$250 (\$ additiona	paper, the same of	and drawings enter application signall entity) for the traction the (G) and 37 CFF	ze fee due each ereof. See		·				
MUI	TIPLE DEPENDE										
• If t	he difference in co	lumn 1 is less tha	ın zero. en	ter "0" in column 2		. '	TOTAL		1	TOTAL	
1-	APPLI 24_04		AMEND	ED - PART II (Column 2)	(Column 3)		SMALL E	ENTITY	OR -	OTHER SMALL I	
マト		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)	ADDI- TIONAL FEE (\$)		RATE (\$)	ADDI- TIONAL FEE (\$)
E E	Total (37 CFR 1.16(i))	.45	Minus	" 69		-	× =		OR	х =	
AMENDMENT	Independent (37 CFR 1.16(h))	. 3	Minus	··· 6	=		х =		OR	х =	
2	Application Size	Fee (37 CFR 1.1	6(s))	***************************************							
⋖.	FIRST PRESENTA	TION OF MULTIPLE	E DEPENDE	ENT CLAIM (37 CF	R 1.16(j))				OR		
	7-1-	04-	RC	e			TOTAL ADD'L FEE	i	OR	TOTAL ADD'L FEE	
	17-7	(00.0	r	(Column 2)	(Column 3)		r		1		
H B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE (\$)	ADDI- TIONAL FEE (\$)	e.	RATE (\$)	ADDI- TIONAL FEE (\$)
MENT	Total (37 CFR 1.16())	. 57	Minus	"69	=		x =		OR	х =	
	Independent (37 CFR 1.16(h))	. 6	Minus	0	=		X		OR	x =	
	Application Size	Application Size Fee (37 CFR 1.16(s))							<u> </u>		
Ξ								OR			
AMEND	FIRST PRESENTA	TION OF MULTIPLE	E DEPENDI	ENTICLAIM (37 CF	1.100//				Jon		

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents; P.O. Box 1450, Alexandria, VA 22313-1450.